

Appendix K

UV Absorbance Spectrum – Day-30 Solution Samples

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This appendix presents the UV absorbance result of the Test #3 Day-30 solution sample. The purpose of this analysis was to find any distinguishing absorbance peaks to identify the organics present in the solution. The solution sample at 60 °C was collected through a 0.7 µm fiberglass filter to remove particulate impurities, followed by being scanned over the wavelength ranging from 200 to 800 nm by a UV-visible spectrophotometer. The spectrum of DI water was used as background subtraction. From the result, the test solution did not exhibit any distinguished absorbance peaks. No logbook entries are available for this laboratory session, and so, no transcribed notes are provided in this appendix.

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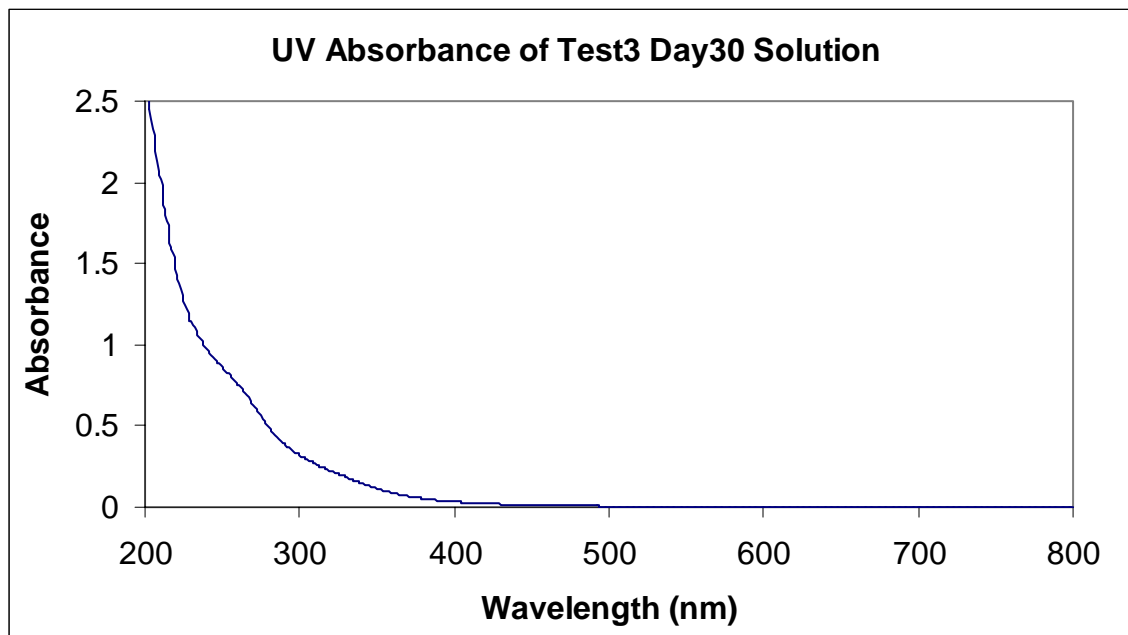


Figure K-1 UV Absorbance Spectrum for Test #3 Day-30 Solution Samples.

Table K-1: Test #3 Day-30 Solution Sample Laboratory Settings.

Test #3 Day-30	
Collection Time:	5/5/2005 11:33:48 AM
Operator Name:	
Scan Software Version:	3.00(182)
Parameter List :	
Instrument:	Cary 50
Instrument Version:	3.00
Start (nm):	800.0
Stop (nm):	200.0
X Mode:	Nanometers
Y Mode:	Abs
UV-Vis Scan Rate (nm/min):	600.00
UV-Vis Data Interval (nm):	1.00
UV-Vis Ave. Time (sec):	0.1000
Beam Mode:	Dual Beam
Baseline Correction:	On
Baseline Type:	Baseline correction
Baseline File Name:	
Baseline Std Ref File Name:	
Cycle Mode:	Off
Comments:	
Method Log:	
Method Name:	Default
Date/Time stamp:	5/5/2005 11:28:54 AM
Method Modifications:	
Cell Changer 6x6 Changed:	5/5/2005 11:28:58 AM / Old:1 / New:0
UVVIS SAT Changed:	5/5/2005 11:29:22 AM / Old:0.0125 / New:0.1000
NIR SAT Changed:	5/5/2005 11:29:22 AM / Old:0.0125 / New:0.1000
Common SAT Changed:	5/5/2005 11:29:22 AM / Old:0.0125 / New:0.1000
Baseline Correction Changed:	5/5/2005 11:29:22 AM / Old:0 / New:1
Temp Controller Changed:	5/5/2005 11:29:26 AM / Old:0 / New:2
Sipper Type Changed:	5/5/2005 11:30:11 AM / Old:Internal RSA / New:External sipper
End Method Modifications	
<Current Wavelength>	200.1